## PATENT APPLICATION

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Susumu NODA et al.

Group Art Unit: 2874

Application No.: 10/537,513

Examiner:

D. PETKOVSEK

Filed: June 3, 2005

Docket No.: 123457

For:

TWO-DIMENSIONAL PHOTONIC CRYSTAL OPTICAL MULTIPLEXER/

DEMULTIPLEXER UTILIZING BOUNDARY REFLECTION

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- $\boxtimes$ This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection, Notice of Allowance, or other action that closes prosecution (e.g., Quayle Action), but before payment of the Issue Fee. Attached is our Check No. 190265 in the amount of \$180.00 in payment of the fee under 37 CFR §1.17(p). Please credit or debit Deposit Account No. 15-0461 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
  - $\bowtie$ I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).
- $\bowtie$ One or more reference cited herein was cited in a counterpart foreign application. An English language version of the foreign Office Action is attached. See References 1-4.

03/09/2007 SZEWDIE1 00000020 10537513 01 FC:1806 180.00 OP 3. An English language Abstract of one or more non-English language reference is attached hereto. See Reference 1.

Respectfully submitted,

Registration No. 27,075

Linda M. Saltiel Registration No. 51,122

JAO:LMS/jam

Date: March 8, 2007

OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, Virginia 22320 Telephone: (703) 836-6400 DEPOSIT ACCOUNT USE
AUTHORIZATION
Please grant any extension
necessary for entry;
Charge any fee due to our
Deposit Account No. 15-0461

Sheet I of 1

|                                   | 172                                   |   |                  |                                 |         |              |                                       |                                |
|-----------------------------------|---------------------------------------|---|------------------|---------------------------------|---------|--------------|---------------------------------------|--------------------------------|
| Form PTO-14<br>(REV. I/06)        |                                       |   | mmerce<br>DFFICE | ATTY DOCKET NO.<br>123457       |         |              | APPLICATION NO.<br>10/537,513         |                                |
| INFORMATION DISCLOSURE STATEMENT  |                                       |   |                  |                                 |         |              | -                                     |                                |
| (Use several sheets if necessary) |                                       |   |                  | APPLICANT(S) Susumu NODA et al. |         |              |                                       |                                |
|                                   |                                       |   |                  | FILING DATE<br>June 3, 2005     |         |              | GROUP<br>2874                         |                                |
|                                   |                                       | U   | S. PATEN         | L DOCUM                         | MENTS   |              | · · · · · · · · · · · · · · · · · · · |                                |
| Examiner<br>Initials              | Cite<br>No.                           | Document Number   |                  | Date                            |         | Name         |                                       |                                |
|                                   |                                       |   |                  |                                 |         |              |                                       | <u></u> .                      |
|                                   |                                       |   |                  |                                 |         |              |                                       |                                |
|                                   |                                       |   |                  |                                 |         |              |                                       |                                |
|                                   |                                       |   |                  |                                 |         |              |                                       |                                |
|                                   |                                       |   |                  |                                 |         |              |                                       |                                |
|                                   |                                       |   |                  |                                 |         |              |                                       |                                |
|                                   |                                       |   |                  |                                 |         |              |                                       |                                |
|                                   | ·                                     | FORI  | EIGN PATI        | NT DOC                          | CUMENTS |              |                                       |                                |
| Examiner<br>Initials              | Cite<br>No.                           | Document Number   | Da               | ite                             | Country |              | With<br>English<br>Abstract           | With<br>English<br>Translation |
|                                   | 1                                     | WO 00/59140   | 10/05/20         | 00                              | WIPO    |              | xx                                    |                                |
|                                   | 2                                     | WO 01/77726 A1  | 10/18/20         | 01                              | WIPO    |              |                                       |                                |
|                                   | 3                                     | EP 0 489 442 A1   | 06/10/19         | 92                              | EUROPE  |              |                                       |                                |
|                                   |                                       |   | _                |                                 |         |              |                                       |                                |
|                                   |                                       |   |                  |                                 | J       |              |                                       |                                |
|                                   | OTHER DOCUMENTS                       |   |                  |                                 |         |              |                                       |                                |
| Examiner<br>Initials              | · · · · · · · · · · · · · · · · · · · |   |                  |                                 |         |              |                                       |                                |
|                                   | 6                                     | Mochizuki et al., "Optical add/drop filter using quality factor by introducing a donor-type defect," Extended Abstracts of the Meeting of Jpn. Soc. Appl. Phys. and Related Societies, Abstract 29p-L-8, p. 1039, March 2002. |                  |                                 |         |              |                                       |                                |
|                                   |                                       |   |                  |                                 |         |              |                                       |                                |
|                                   | ,                                     |   |                  |                                 |         |              | _                                     | _                              |
|                                   |                                       |   |                  |                                 |         |              |                                       |                                |
|                                   |                                       |   |                  |                                 |         | <del></del>  | <del></del>                           | · ·· ·                         |
| EXAMINER                          |                                       |   |                  | DATE CONSIDERED                 |         |              |                                       |                                |
| Examiner:                         |                                       | citation considered, whether or not citation  |                  |                                 |         | through cita | ition if not in                       | conformance                    |

Date: March 8, 2007